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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/660,732	09/12/2003	In Hee Han	9988.057.00-US	4914

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EXAMINER

GRAVINI, STEPHEN MICHAEL

ART UNIT	PAPER NUMBER
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3749

DATE MAILED: 06/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/660,732

Applicant(s)

HAN ET AL.

Examiner

Stephen Gravini

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11 May 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-4 and 6-9 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-4 and 6-9 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

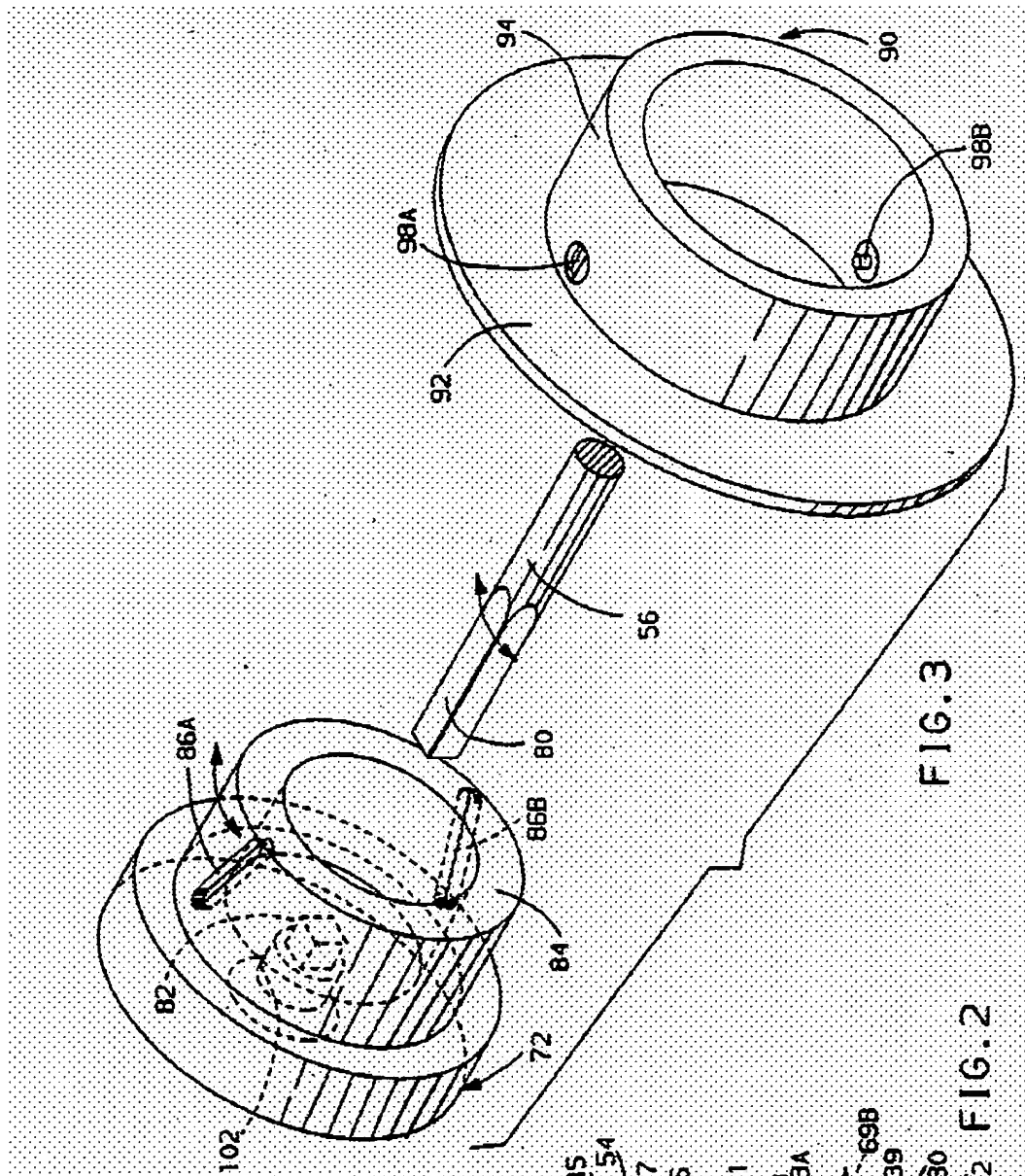
The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claim Rejections - 35 USC § 102

Claims 1-3 rejected under 35 U.S.C. 102(b) as being anticipated by LeFlar (US 2,251,888) or Kennedy (US 4,893,703). As a preliminary matter, claim 1 is construed under Jepson format such that all preamble matter preceding the transitional phrase "comprising" is treated as admitted prior art.

LeFlar is considered to disclose the claimed invention comprising a chamfer disposed between a fan and a motor at left column page 2 lines 53-59; or alternatively:

Kennedy is considered to disclose a chamfer disposed between a fan and a motor as shown in figure 3 (copied below) wherein fan clutch shaft **56** which will be inherently driven by a motor (disclosed as an engine), is shown to be chamfered as claimed.



Claim Rejections - 35 USC § 103

Claims 4 and 6-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Baker (US 5,203,093) in view of either LeFlar or Kennedy. Baker is considered to disclose the claimed invention comprising:

a motor bracket **B** fixed to a bottom of a dryer;

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a motor **M** mounted on the motor bracket, the motor including a motor shaft **S** extending therefrom; and

a fan **A** coupled with the motor shaft. Baker is considered to disclose the claimed invention, except for the claimed chamfered parts in the motor shaft having a D-cut form. LeFlar, another fan motor shaft structure, is considered to disclose chamfered parts in the motor shaft having a D-cut form at left column page 2, lines 53-59, wherein it is well known in the art that fan motor shafts are round and when chamfered or cut to form a flat edge the side profile will form a D-cut exemplified in applicants' figure 5. Kennedy is considered to expressly show the D-cut chamfer in figure 3 copied above. It would have been obvious to one skilled in the art to combine the teachings of Baker with the chamfered parts in the motor shaft having a D-cut form, considered disclosed by LeFlar or Kennedy for the purpose of facilitating insertion of a body into a shaft or for providing a complementary cross section fitting for such intended uses including claimed statements of tool cooperation or removal facilitation.

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

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Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 1-4 and 6-9 are rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-9 of U.S. Patent No. 6,874,248 in view of either LeFlar or Kennedy. Applicants' assignee earlier patent discloses the claimed invention, reciting each claimed element, except for the claimed D-cut chamfered portion. It would have been obvious to one skilled in the art to combine the claimed D-cut chamfered portion, considered disclosed by either LeFlar or Kennedy, for the purpose of facilitating insertion of a body into a shaft or for providing a complementary cross section fitting for such intended uses including claimed statements of tool cooperation or removal facilitation.

Response to Arguments

Applicant's arguments with respect to claims 1-10 have been considered but are moot in view of the new grounds of rejection. Applicants are reminded that current Office practice permits broadest reasonable construction of claims in light of the specification and statements of intended use are not given patentable weight unless structurally different from prior art.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Stephen Gravini whose telephone number is 571 272 4875. The examiner can normally be reached on normal weekday business hours (east coast time).

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Monica S. Carter can be reached on 571 272 4475. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

SMG
June 2, 2005

Stephen Garvin